AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-25 (Cancelled)

26. (New) A method comprising:

receiving a representation of a network processing load associated with a plurality of clients; and

selecting one of a plurality of operational power consuming states for a processor of a server based on the representation of the network processing load.

27. (New) The method of claim 26, wherein said selecting comprises selecting from states that each have a different processor core operating frequency.

28. (New) The method of claim 27, wherein said selecting comprises selecting from a first state that has a processor core operating frequency of at least 733 MHz and a second state that has a higher processor core operating frequency than that of the first state.

29. (New) The method of claim 26, further comprising determining the representation based on different types of client connections contributing different processing loads.

30. (New) The method of claim 26, wherein said selecting comprises comparing the representation to a threshold and selecting based on the comparison.

31. (New) The method of claim 26, further comprising implementing the power consuming state on the processor.

32. (New) The method of claim 31, wherein said implementing comprises providing the selected power consuming state to an operating system and implementing the power consuming state on the processor using the operating system.

33. (New) A machine-readable medium having stored thereon data representing instructions that if executed cause a machine to:

select one of a plurality of operational power consuming states for a processor of a server based on a representation of a network processing load associated with a plurality of clients.

34. (New) The machine-readable medium of claim 33, wherein the instructions to select further comprise instructions that if executed cause the machine to:

select from states that each have a different processor core operating frequency.

35. (New) The machine-readable medium of claim 33, wherein the instructions to select further comprise instructions that if executed cause the machine to:

compare the representation to a threshold and select based on the comparison.

36. (New) The machine-readable medium of claim 33, wherein the instructions further comprise instructions that if executed cause the machine to:

determine the representation based at least in part on both a number of client connections to the server and types of the connections.

37. (New) The machine-readable medium of claim 36, wherein the instructions to determine the representation based on the types of the connections further comprise instructions that if executed cause the machine to:

determine the representation based on whether a connection is secure or un-secure.

38. (New) The machine-readable medium of claim 33, wherein the instructions further comprise instructions that if executed cause the machine to:

provide the selected power consuming state to an operating system.

39. (New) A server comprising:

a processor;

a network interface to receive a network processing load from a plurality of clients of a network;

a flash memory having stored thereon power state selection instructions that if executed cause a machine to select a power state for the processor

from a plurality of operational power states based at least in part on the network processing load.

40. (New) The server of claim 39, wherein the instructions to select further comprise instructions that if executed cause the machine to:

select from states that each have a different processor core operating frequency.

41. (New) The server of claim 39, wherein the instructions to select further comprise instructions that if executed cause the machine to:

compare at least a representation of the network processing load to a threshold and select based on the comparison.

42. (New) The server of claim 39, further comprising a power state implementation system to implement the power state on the processor.

43. (New) The server of claim 42, wherein the power state implementation system comprises at least a portion of an operating system.

44. (New) A method comprising:

determining a representation of a network processing load based at least in part on a number of client connections to a server and types of the connections to the server; and

selecting a power state for a processor of the server based on the representation.

45. (New) The method of claim 44, wherein said determining the representation comprises determining the representation based at least in

part on whether a connection of a client to the server is secure or un-secure.

46. (New) The method of claim 44, wherein said selecting the power state comprises selecting the power state from one of a plurality of operational power consuming states including a first state having a first processor core operating frequency and a second state having a second, higher processor core operating frequency.

47. (New) The method of claim 44, wherein said selecting comprises comparing the representation to a threshold and selecting based on the comparison.

48. (New) The method of claim 44, further comprising implementing the power state on the processor.

49. (New) A machine-readable medium having stored thereon data representing instructions that if executed cause a machine to:

determine a representation of a network processing load based at least in part on a number of client connections to a server and types of the connections to the server; and

select a power state for a processor of the server based on the representation.

50. (New) The machine-readable medium of claim 49, wherein the instructions to determine further comprise instructions that if executed cause the machine to:

determine the representation based at least in part on whether a connection of a client to the server is secure or un-secure.

51. (New) The machine-readable medium of claim 49, wherein the instructions to select further comprise instructions that if executed cause the machine to:

select the power state from one of a plurality of operational power consuming states including a first state having a first processor core operating frequency and a second state having a second, higher processor core operating frequency than the first frequency.

52. (New) The machine-readable medium of claim 51, wherein the first processor core operating frequency is at least 733 MHz.